Amendments to the Claims

The following listing of claims replaces all prior versions, and listings, of claims in the application:

1.	(Currently Amended) A ~~file management apparatus~~file management apparatus for microscopes comprising:

an image data acquiring section for acquiring ~~image data~~microscope image data to be stored as a file;

a structure information setting section ~~capable of having~~ enabling a user to arbitrarily set beforehand structure information that defines structure of a file name by showing a file name setting screen on a display, the file name being given to the ~~image data~~microscope image data acquired by the image data acquiring section when the ~~image data~~microscope image data is stored in a memory;

a name-generating section for acquiring, for each said ~~image data~~microscope image data acquired by said image data acquiring section, information relating to said ~~image data~~microscope image data, according to the structure information that is set by the structure information setting section, to automatically generate said file name using the acquired information; and

a managing section for storing the ~~image data~~microscope image data acquired by the image data acquiring section, and for managing the stored ~~image data~~microscope image data using the file names generated by the name-generating section.

2.	(Currently Amended) The ~~file management apparatus~~file management apparatus for microscopes according to claim 1, wherein:

the image data acquiring section acquires stored ~~image data~~microscope image data to which a file name is given in advance and associated information that is associated with the stored ~~image data~~microscope image data; and

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the name-generating section acquires, for each said ~~image data~~microscope image data acquired by said image data acquiring section, information relating to said ~~image data~~microscope image data, from said associated information according to the structure information that is set by the structure information setting section, to generate a new file name using the acquired information.

3. (Currently Amended) The ~~file management apparatus~~file management apparatus for microscopes according to claim 1, wherein:

~~said image data acquiring section acquires microscope image data of a sample that is photographed by an imaging device that is part of a microscope system; and~~

said structure information setting section ~~can set, as said structure information, a characteristic of the microscope image data to be reflected in a fife name of said microscope image data~~shows the file name setting screen on the display in response to the user's instruction before shooting, and sets said structure information according to the user's input.

4. (Currently Amended) The ~~file management apparatus~~file management apparatus for microscopes according to claim 1, further comprising:

a classifying condition setting section capable of setting arbitrarily a classifying condition to be used for classifying the ~~image data~~microscope image data stored in the managing section into a plurality of groups; and

a classifying section for acquiring information corresponding to said classifying condition from the file names of the ~~image data~~microscope image data stored in said managing section, to classify ~~image data~~microscope image data having the same said information acquired corresponding to said classifying condition into a same group, wherein

said managing section manages, ~~image data~~microscope image data stored therein in advance, in two ways, which are managing by the file names generated by the name-generating section and managing by a result of classifying by the classifying section.

5.   (Currently Amended) The ~~file management apparatus~~file management

apparatus for microscopes according to claim 1, further comprising:

a thumbnail display section for displaying a thumbnail image that is a reduced

image of an image corresponding to the ~~image data~~microscope image data stored in said

managing section; and

a displaying condition setting section for setting, as a displaying condition to

be used for selecting the thumbnail image to be displayed by the thumbnail display section,

information that is included in the file name corresponding to the thumbnail image to be

displayed, wherein

said thumbnail display section selects the file name including the information

that is set as the displaying condition by the displaying condition setting section, from file

names of the ~~image data~~microscope image data stored in said managing section, and displays

the thumbnail image corresponding to the selected file name.

6.   (Currently Amended) A ~~file management apparatus~~file management apparatus

for microscopes comprising:

an image data acquiring section for acquiring stored ~~image data~~microscope

image data to which a file name is given in advance;

a structure information setting section ~~capable of having~~enabling a user to

arbitrarily set beforehand structure information that defines a structure of a virtual file name

by showing a file name setting screen on a display, the virtual file name being given to the

~~image data~~microscope image data acquired by the image data acquiring section when the

~~image data~~microscope image data is stored in a memory;

a name-generating section for acquiring, for each said ~~image data~~microscope

image data acquired by said image data acquiring section, information relating to said ~~image~~

~~data~~microscope image data, according to the structure information that is set by the structure

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information setting section, to automatically generate said virtual file name using the acquired information; and

a managing section for storing said ~~image data~~microscope image data acquired by said image data acquiring section and for managing the stored ~~image data~~microscope image data using the virtual file name generated by the name-generating section.

7.   (Currently Amended) A computer readable medium storing a file management program to control a computer, said program comprising the steps of:

acquiring ~~image data~~microscope image data to be stored as a file;

~~having~~enabling a user to arbitrarily set beforehand structure information that defines structure of a file name by showing a file name setting screen on a display, the file name being given to the ~~image data~~microscope image data acquired by the image data acquiring step when the ~~image data~~microscope image data is stored in a memory;

acquiring, for each said ~~image data~~microscope image data acquired by said image data acquiring step, information relating to said ~~image data~~microscope image data, according to the structure information that is set by the structure information setting step, to automatically generate said file name using the acquired information; and

storing the ~~image data~~microscope image data acquired by the image data acquiring step, and managing the stored ~~image data~~microscope image data using the file name generated by the name-generating step.

8.   (Currently Amended) The computer readable medium according to claim 7, wherein:

said image data acquiring step acquires stored ~~image data~~microscope image data to which a file name is given in advance and associated information that is associated with the stored ~~image data~~microscope image data; and

said name-generating step acquires, for each said ~~image data~~microscope image data acquired by said image data acquiring step, information relating to said ~~image data~~microscope image data, from said associated information according to the structure information that is set by the structure information setting step, to generate a new file name using the acquired information.

9.　(Currently Amended)　The computer readable medium according to claim 7, wherein:

~~said image data acquiring step acquires microscope image data of a sample that is photographed by an imaging device that is part of a microscope system; and~~

said structure information setting step shows the file name setting screen on the display in response to the user's instruction before shooting, and sets said structure information according to the user's input~~can set, as said structure information, a characteristic of the microscope image data to be reflected in a file name of said microscope image data~~.

10.　(Currently Amended)　The computer readable medium according to claim 7, further comprising:

a classifying condition setting step capable of setting arbitrarily a classifying condition to be used for classifying the ~~image data~~microscope image data stored by the managing step into a plurality of groups; and

a classifying step of acquiring information corresponding to said classifying condition from the file names of the ~~image data~~microscope image data stored by said managing step, to classify ~~image data~~microscope image data having the same information acquired corresponding to said classifying condition into a same group, wherein

said managing step manages ~~image data~~microscope image data stored thereby in advance, in two ways, which are managing by the file names generated by the name-generating step and managing by a result of classifying by the classifying step.

11.　　(Currently Amended)　The computer readable medium according to claim 7, further comprising:

a thumbnail display step for displaying a thumbnail image that is a reduced image of an image corresponding to the ~~image data~~microscope image data stored by said managing step; and

a displaying condition setting step for setting, as a displaying condition to be used for selecting the thumbnail image to be displayed by the thumbnail display step, information that is included in the file name corresponding to the thumbnail image to be displayed, wherein

said thumbnail display step selects the file name including the information that is set as the displaying condition by the displaying condition setting step, from file names of the ~~image data~~microscope image data stored by said managing step, and displays the thumbnail image corresponding to the selected file name.

12.　　(Currently Amended)　A computer readable medium storing a file management program to control a computer, said program comprising the steps of:

acquiring stored ~~image data~~microscope image data to which a file name is given in advance;

~~having~~enabling a user to arbitrarily set beforehand structure information that defines structure of a virtual file name by showing a file name setting screen on a display, the virtual file name being given to the ~~image data~~microscope image data acquired by the image data acquiring step when the ~~image data~~microscope image data is stored in a memory;

acquiring, for each said ~~image data~~microscope image data acquired by said image data acquiring step, information relating to said ~~image data~~microscope image data, according to the structure information that is set by the structure information setting step, to automatically generate said virtual file name using the acquired information; and

storing said ~~image data~~<u>microscope image data</u> acquired by said image data

acquiring step and managing the stored ~~image data~~<u>microscope image data</u> using the virtual

file name generated by the name-generating step.

13.   (Currently Amended) The ~~file management apparatus~~<u>file management</u>

<u>apparatus for microscopes</u> according to claim 1, wherein the name-generating section gives,

to each said ~~image data~~<u>microscope image data</u> acquired, the file name generated according to

set structure information, until the structure information is reset by the structure information

setting section.

14.   (Currently Amended) The ~~file management apparatus~~<u>file management</u>

<u>apparatus for microscopes</u> according to claim 6, wherein the name-generating section gives,

to each said ~~image data~~<u>microscope image data</u> acquired, the file name generated according to

set structure information, until the structure information is reset by the structure information

setting section.

15.   (Currently Amended) The computer readable medium according to claim 7,

wherein the name-generating step gives, to each said ~~image data~~<u>microscope image data</u>

acquired, the file name generated according to set structure information, until the structure

information is reset by the structure information setting step.